CLEAN VERSION OF PENDING CLAIMS

HYDROGEL VAPOR DISPENSER
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B2 Sub C1

1. (TWICE AMENDED) A vapor emitting patch comprising:

a hydrogel base portion;

a vapor emitting portion comprising a cellular structure attached to the base portion; and

a vapor emitting material stored within the cellular structure comprising the vapor emitting portion.

3. The patch of claim 1 wherein the base portion further comprises a film layer wherein the film layer reversibly adheres to the hydrogel.

4. The patch of claim 3 wherein the film layer is removable.

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5. (TWICE AMENDED) The patch of claim 1 wherein the vapor emitting portion comprising a cellular structure comprises a pad.

6. The patch of claim 5 wherein the pad comprises a material selected from the group of materials consisting of polyolefins, acrylic adhesives and hydrogels.

7. The patch of claim 5 wherein the vapor emitting portion comprises a protective material that overlays the pad.

8. The patch of claim 7 wherein the protective material comprises a mesh material or a non-woven material.

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10. (TWICE AMENDED) A patch comprising:

a hydrogel comprising a first surface and an opposing surface;

a releasable layer adhered to the hydrogel;

a foam pad comprising cells, the pad comprising a top surface and a bottom surface wherein the bottom surface of the pad is affixed to the hydrogel; and

a vapor emitting material received by the cells of the foam pad.

11. The patch of claim 10 wherein the pad comprises an open cell foam.

12. The patch of claim 10 and further comprising a protective member sealed to the top surface of the pad.

13. The patch of claim 10 further comprising a layer attached to the hydrogel wherein the layer attached to the hydrogel is a film, a foil or a paper.

14. The patch of claim 13 wherein the film layer comprises a material selected from the group of materials consisting of polyolefins, polyamides, cellulosics, polyethylene terephthalates, or any mixture thereof.

17. The patch of claim 40 further comprising a third layer wherein the third layer is releasably affixed to and covers the uncovered areas of the first surface of the first layer.

18. The patch of claim 40 further comprising a protective layer wherein the protective layer is attached to the top surface of the pad.

19. The patch of claim 40 wherein the first layer comprises an adhesive from which a release layer can be released.

20. The patch of claim 19 wherein the adhesive comprises a hydrogel.

21. The patch of claim 17 wherein the third layer is a film, a foil or a paper.

22. The patch of claim 21 wherein the film comprises a material selected from the group consisting of polyolefins, polyamides, cellulosics, polyethylene terephthalates, or any mixture thereof.

23. The patch of claim 40 wherein the second layer comprises a removable and reattachable base substrate.

24. The patch of claim 40 wherein the pad comprises a synthetic or natural open_cell foam.

25. A method for releasing a vapor, comprising:
providing a patch comprising
an adhesive comprising a first surface and an opposing surface,
a base substrate adhered to the opposing surface of the adhesive, and
a vapor emitting portion comprising a cellular structure and
a vapor emitting material stored within the cellular structure comprising the vapor emitting portion affixed to the first surface of the adhesive;
removing the base substrate;
attaching the adhesive to a surface;
exposing the pad to air; and
releasing the vapor.

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26. The method of claim 25 wherein attaching the adhesive to a surface comprises attaching the adhesive to skin.

27. The method of claim 25 wherein removing the base substrate comprises removing the base substrate from the opposing surface of the adhesive.

28. The method of claim 25 wherein exposing the pad to air includes removing the patch from a packaging.

29. A method for releasing a vapor comprising:

providing a patch comprising

an adhesive comprising a first surface and an opposing surface,

a base substrate adhered to the opposing surface of the adhesive, and

a vapor emitting portion comprising a cellular structure and a vapor emitting material stored within the cellular structure comprising the vapor emitting portion affixed to the first surface of the adhesive;

exposing the pad to air; and

releasing the vapor.

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30. The method of claim 29 wherein providing a patch includes removing the base substrate and attaching the adhesive to a surface.

31. The method of claim 29 wherein exposing the pad to air includes removing the patch from a packaging.

38. A kit for releasing a vapor comprising:

one or more patches comprising a hydrogel and a vapor emitting portion comprising a cellular structure, and a vapor emitting material stored within the cellular structure comprising the vapor emitting portion, with the vapor emitting portion adhered to the hydrogel; and

a container for enclosing the patches.

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39. The kit of claim 38 and further comprising a container for enclosing more than one patch.

40. A patch comprising:

an adhesive first layer comprising a first surface and an opposing surface with the surfaces having areas;

a second layer releasably adhered to and covering the entire area of the opposing surface of the first layer;

a foam pad having portions and comprising a top surface and a bottom surface with a one of the pad surfaces attached to and covering an area of the first surface of the first layer; and,

at least two vapor emitting materials separately stored in at least two separate portions of the pad.

41. The patch of claim 24 wherein the open cell foam comprises a material selected from the group consisting of polyolefins, acrylic adhesives and hydrogels.